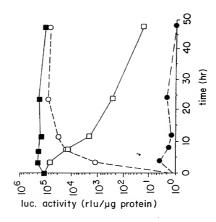
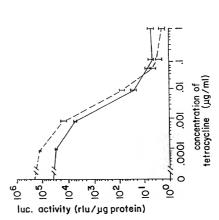


F1G. 3A

FIG. 3B





The state of the s

AAT Asn Leu CTTCTG Glu Leu GAG TTA Ser Ala Leu ATT AAC AGC GCA Ile Asn AGA TTA GAT AAA AGT AAA GTG Lys Val Ser Lys Asp Leu Arg Ser

Val GGT GTA Gly Leu CTC GCC CAG AAG CTA LysGln Leu Ala Lys CGT AAA Arg ACC Leu Thr Thr ACA TTA Gly GGT Glu GAA $_{\rm Ile}$ GGA $_{
m G1y}$ GIC Val GAG

ggg Ala GAC Leu Asp CIC Leu TTG Ala GCT CGG Arg Lys AAG CAT GTA AAA AAT Lys Asn Val His TGG Trp TAT Tyr LIG Leu ACA Thr CCL Pro CAG Gln GAG

Gly Glu TTA GAA Leu CCT Pro Cys CAT ACT CAC TIT IGC Phe His Thr His His TTA GAT AGG CAC Arg Leu Asp ATG Met GAG Glu IleAla

Leu Ala TGI GCI Cys AGA Arg TTT Phe AGT Ser AAA Lys Arg Asn Lys Ala AAG GCT CGT AAT ren TTA Phe $_{
m LLL}$ CAA GAT Gln Asp TGG Trp

Fig. 4.

Fig. 1.75 and 1.75 an

AAA Lys GAA Glu CCT ACA Thr Pro CGG Arg ACA ($_{
m Thr}$ GGT Gly ' TTA Leu His CAT GCA AAA GTA Ala Lys Val GGA $_{\rm G1y}$ GAT Asp CGC Arg CTA AGT CAT His Ser Leu

Ser $_{
m LLL}$ Phe $_{
m G1y}$ gGTCAA Gln Gln TTA TGC CAA Cys ren TTTPhe Ala GAA AAT CAA TTA GCC Leu Gln Glu Asn Leu CIC Glu Thr TyrGln CAG

Cys $_{\rm G1y}$ Leu TTA Thr Phe CAT Gly His GGG GIG Val Ala GCT Ser CTC AGC Leu GCA Ala TAT $_{\mathrm{Tyr}}$ TTA ren GCA Ala AAT Asn GAG Glu Leu

Pro ACA CCT $_{
m Thr}$ GAA Glu GCT AAA GAA GAA AGG Glu Glu Arg LysAla CAA GTC Gln Val CAT His GAG Glu CAA Gln Glu Asp GAA GAT Len GIA Val

Gln GAT CAC Asp His $_{
m LLL}$ Phe CAA GCT ATC GAA TTA Glu Leu Ile Gln Ala TTA CGA Leu Arg TTA Pro Pro Leu CCG CCA ATG Ser Met AGT Asp

Fig. 41

GAA Glu TTA Leu GGA G1yTGC (Cys ATA Ile Ile TTG ATC Leu GAA Leu Glu CTTLeu Phe Gly TIC GGC TTA $_{
m LLC}$ Phe Ala GCA GAG CCA GCC Pro Glu GGI

Asn AAA AAC Lys AGT GGG TCC GCG TAC AGC CGC GCG CGT ACG ThrArg Ala Ser Arg TYrAla Ser Gly Ser Glu GAA Cys IGI AAA Lys CLILen Gln CAA AAA Lys

Pro Ala Leu Pro Asp Asp Asp GAC GAC CCG GAC CIC Leu Asp CTC GAT Leu CIG $_{
m G1y}$ ACC ATC GAG GGC Glu Ile Thr $_{
m LCL}$ Ser GGG G1yTAC TyrAsn AAT

ACG GCG GGA CAC His Gly Ala CIC CCC Leu Pro $_{
m LLL}$ Phe CTG TCC Leu Ser CCG CGC Pro Arg Leu Ala Ala CTG GCG GCT 999 909 G1yAla Glu

CAC Leu GAC GAG CIC Glu Asp $_{
m Gly}$ GAT GTC AGC CTG GGG Leu Ser Val Asp CCG ACC Pro Thr ACG GCC CCC Ala Pro ThrSer CIG ICG Leu Arg Arg

Fig. 4C

The state of the s

Asp GAT TIC Phe His Ala Asp Ala Leu Asp Asp CAT GCC GAC GCG CTA GAC GAT Ala TTA GAC GGC GAG GAC GTG GCG ATG GCG Ala Met Glu Asp Val $_{
m G1y}$ Asp Leu

Asp CAC GAC His Pro ACC CCC $_{
m Thr}$ CCG GGA TTT Pro Gly Phe G1yGGG GAT TCC CCG GGT Pro Gly Asp Ser Gly Asp GGG GAC Len TTG ATG Asp Met GAC Leu CIG

Phe ATG Met Gln CAG GAG Glu TTC GAG TTT Phe Glu Phe CTG GAT ATG GCC GAC Ala Asp Leu Asp Met Ala GGC GCT Gly. TCC GCC CCC TAC TyrAla Pro Ser

TAG GGA ATT GAC GAG TAC GGT GGG Gly Gly Glu Tyr Ile Asp Gly ACC GAT CCC CTT Leu Pro Asp

Fig. 4D

Asn AAT Leu CTTLeu CIG GAG Glu TTA Len ATT AAC AGC GCA Ser Ala Asn Ile GAT AAA AGT AAA GTG Val Lys Ser Lys Asp TTA Leu AGA Arg Ser GTA Val GGT G1yLeu CTA AAG Lys Gln CTC GCC CAG Leu Ala Lys AAA Arg CGI ACC Leu Thr Thr ACA TTA $_{
m G1y}$ GGT Glu GAA ATC IleGGA Gly GIC Val GAG

ggg Ala GAC Leu Asp CTC TIG Leu Ala GCT S Arg AAG Lys AAA AAT Asn Lys TGG CAT GTA Val His Trp TAT $\mathbf{I}\mathbf{y}\mathbf{r}$ TIG Leu ACA Thr CCI. Pro CAG Gln GAG

Gly Glu TTA GAA Leu Pro CCI Cys TGC TTT Phe CAC His Thr CAT ACT His His TTA GAT AGG CAC Arg Leu Asp ATG Met GAG Clu Ile Len

Leu Ala Cys TGI AGA Arg Phe $_{
m LLL}$ Ser AAA AGT Lys Arg Asn Asn Ala AAC GCT CGT AAT Leu TTA Phe $_{
m LLL}$ GAT Asp CAA Gln $_{\mathrm{IGG}}$ Trp GAA AGC

Fig. 5.

the first area way in the same to be supple to the same that the same th

AAA LysGlu GAA Thr ACA Pro CCL CGG Arg ACA Thr GGT Gly TIA Leu His CAT GTA Ala Lys Val GCA AAA $_{
m G1y}$ GAT GGA Asp CGC Arg CAT His CTA AGT Ser Len

Ser Phe GGT $_{
m G1y}$ CAA Gln Gln TGC CAA Cys TTA Leu $_{
m LLL}$ Phe Ala GAA AAT CAA TTA GCC Gln Leu Glu Asn Leu CIC Glu Thr GAA \mathbf{T} yr Gln

CysG1yLeu TTA Thr ACT Phe TTTHis CAT $_{
m G1y}$ GGG Val GIG Ala GCT CIC AGC Leu Ser GCA Ala TAT Tyr TTA ' Leu GCA Ala AAT Asn GAG Glu Leu ACT Thr Pro ACA CCT $_{
m Thr}$ GAA Glu ' GCT AAA GAA GAA AGG Glu Arg gJu Lys Ala CAA GTC Gln Val His CAA GAG CAT Gln Glu Asp GAA GAT Glu Len

Gln His TIT GAT CAC Asp Phe CAA GCT ATC GAA TTA Glu Leu $_{\rm Ile}$ Gln Ala CGA Arg TTA Pro Pro Leu Leu CCA TTA CCG ATG Met Ser AGT Asp GAT

Fig. 5B

Leu GGA $_{
m G1y}$ IGC Cys Ile ATC ATA Ile TTG Leu Glu Leu GAA CITGlyGGC TIC Phe TTA Leu Phe GAG CCA GCC TTC Ala Pro. Glu GGT GCA G1y CIGLeu Arg CGC AGA Arg ACG Thr His GAT CCA TCG ATA CAC Ile Ser Pro Asp TCT Ser GGG Gly AGT Ser Glu GAA $_{
m TGT}$ Lys Cys AAA Len CITGln Lys

G1yAsp Len TTA CAC Leu His CIC Glu GAG Leu Gly Asp GGG GAC AGC CTG Ser GIC Val Asp ACC GAT Thr CCG Pro CCC Pro gaa Ala ACG Thr Ser

Met Asp CTG GAC Leu TTC GAT Phe Asp Asp GCC GAC GCG CTA GAC GAT Ala Leu Asp Asp Ala His GTG GCG ATG GCG CAT Ala Met Ala Val Asp SAG GAC Glu CCC Pro Ala CCC CAC GAC ICC GCC Ser Asp His Pro Thr CCG GGA TTT ACC Phe Pro Gly GlyggTPro CCG Ser ICC GAT Gly Asp GGG GAC Asp G1yLeu

Fig. 5C

And the first state of and after the first three first

TIT ACC GAT GCC Phe Thr Asp Ala TAC GGC GCT CTG GAT ATG GCC GAC TTC GAG TTT GAG CAG ATG Glu Phe Glu Gln Met Tyr Gly Ala Leu Asp Met Ala Asp Phe

CTT GGA ATT GAC GAG TAC GGT GGG TTC TAG Leu Gly Ile Asp Glu Tyr Gly Gly Phe * Fig 5D

AAGTCGAGTTTACCACTCCCTATCAGTGATAGAGAAAAGTGGAAAGTCGAGCTCGGTACCCGGGT CGAGTAGGCGTGTACGTGGGAGGCC<u>TATATAA</u>GCAGAGCTCGTTTAGTGAACCGTCAGATCGC CTGGAGACGCCATCCACGCTGTTTTGACCTCCATAGAAGACACCGGGACCGATCCAGCCTCCGC GAATTCCTCGAGTTTACCACTCCCTATCAGTGATAGAGAAAAGTGAAAGTCGAGTTTACCACTC CCTATCAGTGATAGAGAAAAGTGAAAGTTGAGTTTACCACTCCCTATCAGTGATAGAAAAGT GAAAGTCGAGTTTACCACTCCCTATCAGTGATAGAGAAAAGTGAAAGTTCGAGTTTACCACTCCC TATCAGTGATAGAGAAAAGGTGAAAGTTGAGTTTACCACTCCCTATCAGTGATAGAGAAAAGTGA

Fig. 6

G G GAATTCCTCGACCCGGGTACCGAGCTCGACTTTCACTTTTCTCTATCACTGATAGGGAGTGGTA ATCACTGATAGGGAGTGGTAAACTCGACTTTCACTTTTCTCTATCACTGATAGGGAGTGGTAAA CTCGACTTTCACTTTTCTCTTATCACTGATAGGGAGTGGTAAACTCGACTTTCACTTTTCTCTAT CACTGATAGGGAGTGGTAAACTCGACTTTTCACTTTTCTCTATCACTGATAGGGAGTGGTAAAACT CGAGTAGGCGTGTACGGTGGAGGCCTATATAAGCAGAGCTCGTTTAGTGAACCGTCAGATCGC CTGGAGACGCCATCCACGCTGTTTTGACCTCCATAGAAGACACCGGGACCGATCCAGCCTCCGC AACTCGAL TITCACTITICTCTATCACTGATAGGGAGTGGTAAACTCGACTITCACTTTTCTCT 9

Fig. 7

TCGACTITCACTITTCTCTTATCACTGATAGGGAGTGGTAAACTCGAGATCCGGCGAATTCGAAC GAGCTCGACTTTCACTTTTCTCTATCACTGATAGGGAGTGGTAAAACTCGACTTTCACTTTTCTC TATCACTGATAGGGAGTGGTAAACTCGACTTTTCACTTTTCTCTATCACTGATAGGGAGTGGTAA ACTOGACTITICACTITICICIATICACTGALAGGGAGTGGTAAACTICGACTITICACTITITCTCTA TCACTGATAGGGAGTGGTAAACTCGACTTTTCACTATTCTCTATCACTGATAGGGAGTGGTAAAC ACGCAGATGCAGTCGGGGCGCGGTCCGAGGTCCACTTCGCATATTAAGGTGACGCGTGTGG CCTCGAACACCGAG

Fig. 8

TATATCCCGGCACCCCTTCCTCTTTCCCTCCTCCCGAGAGACGGGGGGAGAAAAG TCCAGGAGGTGGAGATCCGCGGGTCCAACCCCACACCCATTTTCTCCTCCTCTGCCCC GGGAGTT''AGGTCGACATGACTGAAGGCAAAGGAAACCTCGGGCTCCCCACGTGGCGGGC GGCGCGCCTCCCCCACCGAGGTCGGATCCCAGCTCCTGGGTCGCCCGGACCCTGGCCCCTTCC AGGGGAGCCAGACCTCAGAGGCCTCGTCTGTAGTCTCCGCCATCCCCATCTCCCTGGACGGGTT CGAGITITACCACTCCCTATCAGTGATAGAGAAAGTGAAAGTCGAGTTTACCACTCCCTATCAG TGATAGAGAAAAGTGAAAGTCGAGTTTACCACTCCCTATCAGTGATAGAGAAAAGTGAAAGTCG GGCGTGTACGGTGGGAGGCCTATATAAGCAGAGCTCGTTTAGTGAACCGTCAGATCGCCTGGAG ACGCCATCCACGCTGTTTTGACCTCCATAGAAGACACCGGGACCGATCCAGCCTCCGCGGCCCC GAATTCGAGCTCGGTACCGGGCCCCCCTCGAGGTCGACGGTATCGATAAGCTTGATATCGAAT CTCGAGITITACCACTCCCIATCAGIGATAGAGAAAAGTGAAAGTCGAGITTACCACTCCCTATC AGTGATAGAGAAAAGTGAAAGTCGAGTTTACCACTCCCTATCAGTGATAGAGAAAAGTGAAAAGT AGTITACCACTCCCTATCAGTGATAGAGAAAAGTGAAAGTCGAGGTCGGTACCCGGGTCGAGTA

CGCTITCICGGCGCCCCAGGGICICCTIGGCGGAGCAGGACGCGCCGGTGGCGCCCTGGGCGCTCCC CGCTGGCCACCTCGGTGGTGGATTTCATCCACGTGCCCATCCTGCCTCTCAACCACGCTTTCCT GGCCACCGGCACCAGGCAGCTGCTGGAGGGGAGAGCTACGACGGCGGGGGCCGCGGCCGCCAGC GTGAAGCCATCCCCGCAGCCCGCTGCGGTGCAGGTAGACGAGGAGGACAGCTCCGAATCCGAGG AGCTGCCCCGTCGCGTCTGGAGCGGCCGCAGGAGGCGTCGCCCTTGTCCCCAAGGAAGATTCT CGAGACCTCCAGAAAAGGACAGCGGCCTGCTGGACAGTGTCCTCGACACGCTCCTGGCGCCCTT GGGTCCCGGGCAGAGCCACGCCAGCCTGCCACCTGCGAGGCCATCAGCCCGTGGTGCCTGTTT GGCCCCGACCTTCCCGAAGACCCCCGGGGTGCTGCCCCCCTACCAAAGGGGGTGTTGGCCCCCGCTCA TGAGCCGACCCGAGGACAAGGCGACAGCTCTGGGACGGCAGCGGCCCACAAGGTGCTGCC CAGGGGACTGTCACCATCCAGGCAGCTGCTGCTCCCCTCTGGGAGCCCTCACTGGCCGCA GCTCTTCCCCCGGCCCTGTCAGGGGCAGAACCCCCCAGACGGGAAGACGCAGGACCCACCGTCG TTGTCAGACGTGGAGGGCGCATTTCCTGGAGTCGAAGCCCCGGAGGGGGGGAGAGACAGCAGCT

Fig. 9B

CGCCACCCTCGCTGCCGCCTCGAGTGCCCTCGTCCAGACCGGGGAAGCGGCGGTGGCGGCCTC CCCAGGCAGTGCCTCCTCCTCCTCGTCGTCGGGGTCGACCCTGGAGTGCATCCTGTAC CGTACGTACCTGGTGGCTGGTGCAAACCCCGCCGCCTTCCCGGACTTCCAGCTGGCAGCGCCGC AAGGCAGAAAGGCGCCGCCCCCAGCAGGGCCCCTTTCGCGCCGCTGCCCTGCAAGCCTCCGGGCG CCGGCGCCTGCCTGCTCCCGCGGGACGGCCTGCCTCCACCTCCGCCTCGGGCGCAGCCGCGG GGCCGCCCTGCGCTCTACCCGACGCTCCGACGGACTCCCGCAACTCGGCTACCAGGCC GCCGTGCTCAAGGAGGGCCTGCCGCAGGTCTACACGCCCTATCTCAACTACCTGAGGCCGGATT TGGGGATGAAGCATCAGGCTGTCATTATGGTGTCCTCACCTGTGGGGAGCTGTAAGGTCTTCTTT AAAAGGGCAATGGAAGGGCAGCATAACTATTTATGTGCTGGAAGAAATGACTGCATTGTTGATA CCGACTGCACCTACCCGCCCGACGCCGAGGCCCAAAGATGACGCGTTCCCCCTCTACGGCGACTT

Fig. 9C

ATCCTACAAACATGTCAGTGGGCAGATGCTGTATTTTGCACCTGATCTAATATAAATGAACAG CGGATGAAAGAATCATTCTATTCACTATGCCTTACCATGTGGCAGATACCGCAGGAGTTTG TCCTTTGGAAGGACTAAAGAAGTCAAAAGCCAGTTTGAAGAGATGAGATCAAGCTACATTAGAGAG TCACAAAACTTCTTGATAACTTGCATGATCTTGTCAAACAACTTCACCTGTACTGCCTGAATAC TACAGTTAATTCCCCCTCTAATCAACCTGTTAATGAGCATTGAACCAGATGTGATCTATGCAGG ACATGACAACACAAAGCCTGATACCTCCAGTTCTTTGCTGACGAGTCTTAATCAACTAGGCGAG CGGCAACTTCTTCAGTGGTAAAATGGTCCAAATCTCTTCCAGGTTTTCGAAACTTACATATTG ATGACCAGATAACTCTCCATCCAGTATTCTTGGATGAGTTTAATGGTATTTGGACTAGGATGGAG TCAAGCTTCAAGTTAGCCAAGAAGAGTTCCTCTGCATGAAAGTATTACTACTTCTTAATACAAT CTCATCAAGGCAATTGGTTTTGAGGCAAAAGGAGTTGTTTCCAGCTCACAGCGTTTCTATCAGC AAATCCGCAGGAAAAACTGCCCGGCGTGTCGCCTTAGAAAGTGCTGTCAAGCTGGCATGGTCCT TGGAGGGCGAAAGTTTAAAAGTTCAATAAAGTCAGAGTCATGAGAGCACTCGATGCTGTTGCT CTCCCACAGCCAGTGGGCATTCCAAATGAAAGCCAACGAATCACTTTTTCTCCAAGTCAAGAGA

Fig. 9D

CAGACATGATAAGATACATTGATGAGTTTGGACAAACCAACTAGAATGCAGTGAAAAAATG AAAGCAAGTAAAAACCTCTACAAATGTGGTATGGCTGATTATGATCCTGCAAGCCTCGTCGTCTG ATCGGGAAATGCGCGCGACCTTCAGCATCGCCGGCATGTCCCCTGGCGGACGGGAAGTATCAGCT ATTTATCCAGTCCCGGGCGCTGAGTGTTGAATTTCCAGAAATGATGTCTGAAGTTATTGCTGCA CAGTTACCCAAGATATTGGCAGGGATGGTGAAACCACTTCTTTTCATAAAAGTGAATGTCAA TTATTTTCAAAGAATTAAGTGTTGTGGTATGTCTTTCGTTTTGGTCAGGATTAIGACGTCTCG AGTTTTTATAATATTTCTGAAAGGGAATTCCTGCAGCCCGGGGGATCCACTAGTTCTAGAGGATC CTTTAITTGTGAAAITTGTGATGCTAITGCTTTTAITTGTAACCATTAIAAGCTGCAAIAAACAA GAGGCAAGACTCGGGCGGCGCCTGCCCGTCCCACCAGGTCAACAGGCGGTAACCGGCCTCTTC

Fig. 9E

TGCGGCGAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCACAGAATCAGGGGATAA CGCAGGAAAGAACATGTGAGCAAAAAGGCCAGCAAAAGGCCAGGAACCGTAAAAAGGCCGCGTTG CTGGCGTTTTTCCATAGGCTCCGCCCCCTGACGAGCATCACAAAAATCGACGCTCAAGTCAGA GGTGGCGAAACCCGACAGGACTATAAAGATACCAGGCGTTTCCCCCTGGAAGCTCCCTCGTGCG CTCTCCTGTTCCGACCCTGCCGCTTACCGGATACCTGTCCGCCTTTCTCCCCTTCGGGAAGCGTG GCGCTTTCTCAATGCTCACGCTGTAGGTATCTCAGTTCGGTGTAGGTCGTTCGCTCCAAGCTGG GCTGTGTGCACGAACCCCCCCTTCAGCCCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGA GTCCAACCCGGTAAGACACGACTTATCGCCACTGGCAGCCACTGGTAACAGGATTAGCAGA GCGAGGTATGTAGGCGGTGCTACAGAGTTCTTGAAGTGGTGGCCTAACTACGGCTACACACAAA GGACAGTATTTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCGGAAAAAGAGTTGGTAGCTC TCAATGTACCTATAACCAGACCGTTCAGCTGCATTAATGAATCGGCCAACGCGGGGAGAGGC GGTTTGCGTATTGGGCGCTCTTCCGCTTCGCTCACTGACTCGCTGCGCTCGGTCGTTCGGC

Fig. 9F

CATCGIGGIGGICACGCICGICGITIGGIAIGGCIICCAITCAGCICCGGIICCCAACGAICAAGG CGAGITACATGATCCCCCATGTTGTGCAAAAAGCGGTTAGCTCCTTCGGTCCTCCGATCGTTG TCAGAAGTAAGTTGGCCGCAGTGTTATCACTCATGGTTATGGCAGCACTGCATAATTCTCTTAC TGTCATGCCATCCGTAAGATGCTTTTCTGTGACTGGTGAGTACTCAACCAAGTCATTCTGAGAA TAGTGTATGCGGCGACCCGAGTTGCTCTTGCCCGGCGTCAATACGGGATAATACCGCGCCACATA GGGAAGCTAGAGTAAGTTCGCCAGTTAATAGTTTGCGCAACGTTGTTGCCATTGCTACAGG TACCAATGCTTAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTCGTTCATCCATAGTTG CCTGACTCCCCGTCGTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGCTGC CGCAGAAAAAAAGGATCTCAAGAATCTTTGATCTTTTCTACGGGGTCTGACGCTCAGTGGA ACGAAAACTCACGTTAAGGGATTTTTGGTCATGAGATTATCAAAAAAGGATCTTCACCTAGATCCT TTTAAATTAAAAATGAAGTTTTAAATCAATCTAAAGTATATGAGTAAAACTTGGTCTGACAGT

Fig. 9G

GGGCGACACGGAAATGTTGAATACTCATACTCTTTTTTCAATATTATTGAAGCATTTATCA CCGCGCACATTTCCCCCGAAAAGTGCCCACCTGACGTCTAAGAAACCATTATTATCATGACATTAA GCAGAACTTTAAAAGTGCTCATCATTGGAAAACGTTCTTCGGGGGGGAAAACTCTCAAGGATCTT ACCGCTGTTGAGATCCAGTTCGATGTAACCCACTCGTGCACCCCAACTGATCTTCAGCATCTTTT ACTITICACCAGCGITITCIGGGIGAGCAAAAACAGGAAGGCAAAAAIGCCGCAAAAAGGGAAAIAA CCTATAAAAATAGGCGTATCACGAGGCCCTTTCGTC

Fig. 9H

CCCTGGGCGAGGTGTACCTGGACAGCAGCAAGCCCGCGTGTACAACTACCCCGAGGGCGCCG CTACGAGTICAACGCCGCCGCCGCCCAACGCGCAGGTCTACGGTCAGACCGGCCTCCCTA CGGCCCCGGGTCTGAGGCTGCGGCGTTCGGCTCCAACGGCCTGGGGGGGTTTCCCCCCCACTCAAC AGCGTGTCTCCGAGCCCGCTGATGCTACTGCACCCGCCGCCGCAGCTGTCGCCTTTCCTGCAGC CGAGTTTACCACTCCCTATCAGTGATAGAGAAAAGTGAAAAGTCGAGTTTACCACTCCCTATCAG TGATAGAGAAAAAGTGAAAAGTCGAGTTTACCACTCCCTATCAGTGATAGAGAAAAGTGAAAGTCG GGCGTGTACGGTGGGAGGCCTATATAAGCAGAGCTCGTTTAGTGAACCGTCAGATCGCCTGGAG ACGCCATCCACGCTGTTTTGACCTCCATAGAAGACACCGGGACCGATCCAGCCTCCGCGGCCCC GAATTCCGCCCACGACCATGACCATGACCCTCCACCAAAGCATCTGGGATGGCCCTACTGCA TCAGATCCAAGGGAACGAGCTGGAGCCCCTGAACCGTCCGCAGCTCAAGATCCCCCTGGAGCGG CTCGAGTTTACCACTCCCTATCAGTGATAGAGAAAAGTGAAAAGTCGAGTTTACCACTCCCTATC AGTTTACCACTCCCTATCAGTGATAGAGAAAAGTGAAAGTCGAGCTCGGTTACCCGGGTCGAGTA AGTGATAGAGAAAAGTGAAAGTCGAGTTTACCACTCCCTATCAGTGATAGAGAAAAGTGAAAAGT

Fig. 10A

TGATGGGGAGGCCAGGGGTGAAGTGGGGTCTGCTGGAGACATGAGAGCTGCCAACCTTTGGCCA AGCCCGCTCATGATCAAACGCTCTAAGAAGAACAGCCTGGCCTTGTCCCTGACGGCCGACCAGA TGGTCATGGCCTTGTTGGATGCTGAGCCCCCATACTCTTATTCCGAGTATGATCCTACCAGACC CTTCAGTGAAGCTTCGATGATGGGCTTACTGACCAACCTGGCAGACAGGGAGCTGGTTCACATG ATCAACTGGGCGAAGAGGGTGCCAGGCTTTGTGGATTTGACCCTCCATGATCAGGTCCACCTTC TAGAATGTGCCTGGCTAGAGATCCTGATGATTGGTCTCGTCTGGCGCTCCATGGAGCACCCAGT CCCACGGCCAGCAGGTGCCCTACTACCTGGAGAACGAGCCCAGCGGCTACACGGTGCGCGAGGC CGGCCCGCCGGCATTCTACAGGCCAAATTCAGATAATCGACGCCAGGGTGGCAGAGAAAGATTG GCCAGTACCAATGACAAGGAAGTATGGCTATGGAATCTGCCAAGGAGACTCGCTACTGTGCAG TGTGCAATGACTATGCTTCAGGCTACCATTATGGAGTCTGGTCCTGTGAGGGCTGCAAGGCCTT GATAAAAACAGGAGGAAGAGCTGCCAGGCCTGCCGGCTCCGCAAATGCTACGAAGTGGGAATGA TGAAAGGTGGGATACGAAAAGACCGAAGAGGAGGAGAATGTTGAAACACACAAGCGCCAGAGAA

Fig. 10B

GAAGCTACTGTTTGCTCCTAACTTGCTCTTGGACAGGAAACCAGGGAAAATGTGTAGAGGGCATG GTGGAGATCTTCGACATGCTGCTGGCTACATCATCTCGGTTCCGCATGAATCTGCAGGGAG AGGAGTTTGTGTGCCTCAAATCTATTATTTTGCTTAATTCTGGAGTGTACACATTTCTGTCCAG TTGATCCACCTGATGGCCAAGGCAGGCCTGACCTGCAGCAGCAGCACCAGCGGCTGGCCCAGC GAAGTGCAAGAACGTGGTGCCCCTCTATGACCTGCTGGAGATGCTGGACGCCCACCGCCTA CATGCGCCCACTAGCCGTGGAGGGGCATCCGTGGAGGAGACGGACCAAAAGCCACTTGGCCACTG TGCCACAGTCTGAGAGCTCCCTGGCGGAATTCGAGCTCGGTACCCGGGGATCCTCTAGAGGATC CTTTATTTGTGAAATTTGTGATGCTATTGCTTTATTTGTAACCATTATAAGCTGCAATAAACAA CACCCTGAAGTCTCTGGAAGAAGAACCATATCCACCGAGTCCTGGACAAGATCACAGACACT TCCTCCTCATCCTCTCCCACATCAGGCACATGAGTAACAAAGGCATGGAGCATCTGTACAGCAT

Fig. 10C

CGCAGGAAAGAACATGTGAGCÀAAAGGCCAGCAAAAGGCCGGGAACCGTAAAAAGGCCGCGTTG CTGGCGT: TTTCCATAGGCTCCGCCCCCTGACGAGCATCACAAAAATCGACGCTCAAGTCAGA GGTGGCGAAACCCGACAGGACTATAAAGATACCAGGCGTTTCCCCCTGGAAGCTCCCTCGTGCG AAAGCAAGTAAAACCTCTACAAATGTGGTATGTGGCTGATTATGATCCTGCAAGCCTCGTCGTCTG GAGGCAAGACTCGGGCGGCGCCCTGCCCGTCCCACCAGGTCAACAGGCGGTAACCGGCCTCTTC CGACCAAGCTTGGCGAGATTTTCAGGAGCTAAAGGAAGCTAAAATGGAGAAAAAATCACTGGAT TCAATGTACCTATAACCAGACCGTTCAGCTGCATTAATGAATCGGCCAACGCGGGGGAGAGGC GGTTTGCGTATTGGGCGCTCTTCCTCGCTCACTGACTCGCTGCGCTCGGTCGTTCGGC TGCGGCGAGCGGTATCAGCTCAAAGGCGGTAATACGGTTATCCACAGAATCAGGGGATAA CTCTCCTGTTCCGACCCTGCCGCTTACCGGATACCTGTCCGCCTTTCTCCCCTTCGGGAAGCGTG

Fig. 10D

GCGAGGTATGTAGGCGGTGCTACAGAGTTCTTGAAGTGGTGGCCTAACTACGGCTACACTAGAA GGACAGTATTTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCGGAAAAAAGAGTTGGTAGCTC CGCAGAAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTTCTACGGGGTCTGACGCTCAGTGGA TACCAATGCTTAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTCGTTCATCCATAGTTG CCTGATCCCCGTCGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGCTGCA GCGCTTTCTCAATGCTCACGCTGTAGGTATCTCAGTTCGGTGTAGGTCGTTCGCTCCAAGCTGG GCTGTGTGCACGAACCCCCCGGTTCAGCCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGA GTCCAACCCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGATTAGCAGA ACGAAAACTCACGTTAAGGGATTTTGGTCATGAGATTATCAAAAAGGATCTTCACCTAGATCCT TTTAAATTAAAATGAAGTTTTAAATCAATCTAAAGTATATATGAGTAAAACTTGGTCTGACAGT

Fig. 10E

AGTGTATGCGGCGACCGAGTTGCTCTTGCCCGGCGTCAATACGGGATAATACCGCGCCACATAG CAGAACTTTAAAAGTGCTCATCATTGGAAAACGTTCTTCGGGGCGAAAACTCTCAAGGATCTTA CCGCTGTTGAGATCCAGTTCGATGTAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTTTA CTTTCACCAGCGTTTCTCGGGTGAGCAAAACAGGAAGGCAAAATGCCGCAAAAAAAGGGAATAAG GGCGACACGGAAATGTTGAATACTCATACTCTTTTTTCAATATTATTGAAGCATTTATCAG CGCGCACATTTCCCCGAAAAGTGCCACCTGACGTCTAAGAAACCATTATTATCATGACATTAAC GGAAGCT? GAGTAAGTACGTTCGCCAGTTAATAGTTTGCCCAACGTTGTTGCCATTGCTACAGGC CAGAAGTAAGTTGGCCGCAGTGTTATCACTCATGGTTATGGCAGCACTGCATAATTCTCTTACT GTCATGCCATCCGTAAGATGCTTTTCTGTGACTGGTGAGTACTCAACCAAGTCATTCTGAGAAT GAGTTACATGATCCCCCATGTTGTGCAAAAAGCGGTTAGCTCCTTCGGTCCTCCGATCGTTGT CTATAAAAATAGGCGTATCACGAGGCCCTTTCGTC

Fig. 10F

FIG.II

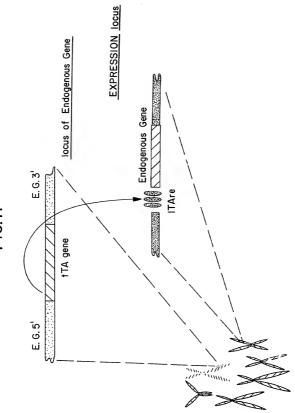
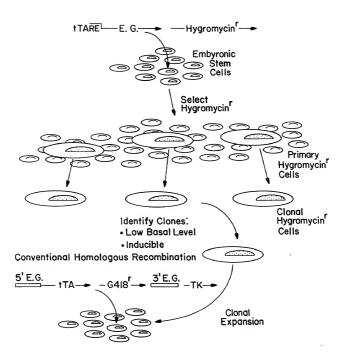


FIG. 12



F16.13A

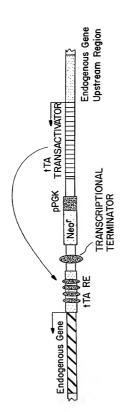
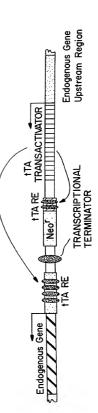


FIG. 13B



F16.14

